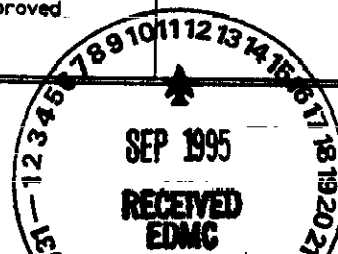


START

9513381.2580

0041936

Change Number M-41-95-03	Federal Facility Agreement and Consent Order Change Control Form <small>Do not use blue ink. Type or print using black ink.</small>	Date August 16, 1995												
Originator D. B. Engelman/G. Z. Morgan		Phone (509)373-3452/(509)373-2346												
Class of Change <input type="checkbox"/> I - Signatories <input checked="" type="checkbox"/> II - Project Manager <input type="checkbox"/> III - Unit Manager														
Change Title Modify Scope of Interim Milestone M-41-12														
Description/Justification of Change The existing Milestone M-41-12 and target date M-41-12-T01 are as follows: <table><tr><td>M-41-12</td><td>Start Interim Stabilization of 4 Ferrocyanide Watchlist Tanks in 241-BX/BY Tank Farms.</td><td>8/31/95</td></tr><tr><td>M-41-12-T01</td><td>Complete Interim Stabilization of 4 Ferrocyanide Watchlist Tanks in 241-BX/BY Tank Farms.</td><td>12/31/97</td></tr></table> Change scope of the M-41-12 Milestone and target date M-41-12-T01 to: <table><tr><td>M-41-12</td><td>Start Interim Stabilization of Tanks 241-BX-106, 241-BY-103 and 241-BY-106.</td><td>8/31/95</td></tr><tr><td>M-41-12-T01</td><td>Complete Interim Stabilization of Tanks 241-BX-106, 241-BY-103 and 241-BY-106.</td><td>12/31/97</td></tr></table> (cont. p. 2)			M-41-12	Start Interim Stabilization of 4 Ferrocyanide Watchlist Tanks in 241-BX/BY Tank Farms.	8/31/95	M-41-12-T01	Complete Interim Stabilization of 4 Ferrocyanide Watchlist Tanks in 241-BX/BY Tank Farms.	12/31/97	M-41-12	Start Interim Stabilization of Tanks 241-BX-106, 241-BY-103 and 241-BY-106.	8/31/95	M-41-12-T01	Complete Interim Stabilization of Tanks 241-BX-106, 241-BY-103 and 241-BY-106.	12/31/97
M-41-12	Start Interim Stabilization of 4 Ferrocyanide Watchlist Tanks in 241-BX/BY Tank Farms.	8/31/95												
M-41-12-T01	Complete Interim Stabilization of 4 Ferrocyanide Watchlist Tanks in 241-BX/BY Tank Farms.	12/31/97												
M-41-12	Start Interim Stabilization of Tanks 241-BX-106, 241-BY-103 and 241-BY-106.	8/31/95												
M-41-12-T01	Complete Interim Stabilization of Tanks 241-BX-106, 241-BY-103 and 241-BY-106.	12/31/97												
Impact of Change This change modifies the scope of Milestone M-41-12 and target M-41-12-T01 and creates a new target M-41-12A-T01 to determine a path forward for interim stabilization of tank 241-BY-105. There will be no impact to the major milestone M-41-00.														
Affected Documents Hanford Federal Facility Agreement and Consent Order Action Plan, Appendix D.														
Approvals <table><tr><td>DOE <i>William E. [Signature]</i></td><td>8-18-95</td><td><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</td></tr><tr><td>EPK <i>Douglas [Signature]</i></td><td>8/22/95</td><td><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</td></tr><tr><td>Ecology <i>Robert [Signature]</i></td><td>8-22-95</td><td><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</td></tr></table>			DOE <i>William E. [Signature]</i>	8-18-95	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	EPK <i>Douglas [Signature]</i>	8/22/95	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	Ecology <i>Robert [Signature]</i>	8-22-95	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved			
DOE <i>William E. [Signature]</i>	8-18-95	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved												
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Ecology <i>Robert [Signature]</i>	8-22-95	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved												



Hanford Federal Facility Agreement and Consent Order
Change Control Form M-41-95-03
Page 2 of 2

Description/Justification (cont.)

Add Target milestone M-41-12A-T01 and a decision matrix for determining the need for additional milestones for interim stabilization of 241-BY-105:

M-41-12A-T01 Reach a decision on the interim stabilization path
forward for tank 241-BY-105.

11/30/95

If further tank characterization efforts show that the tank has not been interim stabilized by the addition of the portland cement, and interim stabilization by saltwell jet pumping is feasible, then DOE and Ecology Unit Managers will agree to dates for milestones M-41-12A and M-41-12A-T02 ("Initiate Interim Stabilization of Tank 241-BY-105" and "Complete Interim Stabilization of Tank 241-BY-105" respectively), and will submit them for approval by the Project Managers.

If the tank is in need of further interim stabilization, and characterization and engineering efforts show that further interim stabilization by saltwell jet pumping is not feasible, then DOE shall submit alternative measures for monitoring tank 241-BY-105, and for preventing and/or mitigating leaks from 241-BY-105, for concurrence by Ecology.

If the characterization information shows that the tank has been interim stabilized by the previous additions of Portland Cement, then DOE shall pursue classification of 241-BY-105 as an interim stabilized tank.

Original plans for pumping liquid from tank 241-BY-105 called for use of an existing saltwell screen. Upon initiating efforts to pump this tank under M-41-12, it was found that the saltwell screen is plugged. The existing saltwell screen is unusable because of the approximately 60 tons of portland cement that was added to tank 241-BY-105 as an experimental leak control effort.

Further examination of the tank has revealed that at a minimum, a layer of cement solids exists on the surface of the waste, and that possibly the entire waste volume may now be solidified. Efforts to penetrate the solidified waste with the usual methods for installing a saltwell screen have been unsuccessful. Even if the surface of the waste can ultimately be penetrated and a pump installed, it is unknown whether pumpable liquid exists in the tank. No additional tanks are available in 241-BX/BY tank farms which have not been interim stabilized.

The facts cited above lead to the conclusion that it is technically not feasible to begin pumping tank 241-BY-105 by August 31, 1995. Good cause exists, therefore, for an extension of the dates to begin and complete pumping tank 241-BY-105 (ref. Hanford Federal Facility Agreement and Consent Order, Art. XL, para. 120.E.) The uncertainties affecting preparation to start pumping tank 241-BY-105 result in the start and completion dates for pumping this tank to be unknown. Work will continue to determine a path forward for interim stabilization of this tank.